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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2008; month=12; day=9; hr=10; min=54; sec=51; ms=560;]

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Application No: 10600003 Version No: 2.0

Input Set:**Output Set:**

Started: 2008-11-14 15:48:09.052
Finished: 2008-11-14 15:48:12.574
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 522 ms
Total Warnings: 69
Total Errors: 5
No. of SeqIDs Defined: 135
Actual SeqID Count: 135

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
E 257	Invalid sequence data feature in <221> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
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E 257	Invalid sequence data feature in <221> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
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W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
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Input Set:

Output Set:

Started: 2008-11-14 15:48:09.052
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Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 522 ms
Total Warnings: 69
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No. of SeqIDs Defined: 135
Actual SeqID Count: 135

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (22)
W 213	Artificial or Unknown found in <213> in SEQ ID (23) This error has occurred more than 20 times, will not be displayed
E 257	Invalid sequence data feature in <221> in SEQ ID (122)
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E 257	Invalid sequence data feature in <221> in SEQ ID (124)

SEQUENCE LISTING

<110> FOWLKES, DANA M.
 BROACH, JIM
 MANFREDI, JOHN
 KLEIN, CHRISTINE
 MURPHY, ANDREW J.
 PAUL, JEREMY
 TRUEHEART, JOSHUA

<120> YEAST CELLS ENGINEERED TO PRODUCE PHEROMONE SYSTEM
 PROTEIN SURROGATES, AND USES THEREFOR

<130> 60638CON(50370)

<140> 10600003

<141> 2003-06-18

<150> 09/286,166

<151> 1999-04-05

<150> 08/322,137

<151> 1994-10-13

<150> 08/309,313

<151> 1994-09-20

<150> 08/190,328

<151> 1994-01-31

<150> 08/041,431

<151> 1993-03-31

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<170> PatentIn version 3.5

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<212> PRT

<213> *Saccharomyces cerevisiae*

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				20					25					30	

Ile	Pro	Ala	Glu	Ala	Val	Ile	Gly	Tyr	Leu	Asp	Leu	Glu	Gly	Asp	Phe
			35					40						45	

Asp	Val	Ala	Val	Leu	Pro	Phe	Ser	Asn	Ser	Thr	Asn	Asn	Gly	Leu	Leu
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50

55

60

Phe Ile Asn Thr Thr Ile Ala Ser Ile Ala Ala Lys Glu Glu Gly Val
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Ser Leu Asp Lys Arg Glu Ala Glu Ala
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<213> *Saccharomyces cerevisiae*

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Ala Glu Ala Glu Ala Trp His Trp Leu Gln Leu Lys Pro Gly Gln Pro
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Met Tyr Lys Arg Glu Ala Asp Ala Glu Ala Trp His Trp Leu Gln Leu
35 40 45

Lys Pro Gly Gln Pro Met Tyr Lys Arg Glu Ala Asp Ala Glu Ala Trp
50 55 60

His Trp Leu Gln Leu Lys Pro Gly Gln Pro Met Tyr
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knnknknktga tcatccg 77

<210> 7
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Xaa Xaa Xaa

<210> 8
<211> 36
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<213> *Saccharomyces cerevisiae*

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Glu Lys Lys Asp Asn Tyr Ile Ile Lys Gly Val Phe Trp Asp Pro Ala
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Cys Val Ile Ala
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Ala Ala Pro Lys Glu Lys Thr Ser Ser

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<211> 9

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<210> 12

<211> 79

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gtggtattgc ttaagtacg 79

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Xaa Xaa Cys Val Ile Ala
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<210> 14
<211> 34
<212> DNA
<213> Artificial Sequence

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<400> 14
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<210> 15
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<400> 15
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<210> 16
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ggcaaaatac tagtaaaatt ttcatgtc 28

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<400> 17

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<210> 18

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<212> DNA

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ctaaagaaga aggggtatct ttgcttaagc tcgagatctc gactgataac aacagtgtag

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<210> 19

<211> 31

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25

<210> 21

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<210> 26

<211> 28

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28

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substitutions and preferred embodiments

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<210> 28
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26

<210> 29

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<210> 31
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<210> 32
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gtctgtgacg c 71

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<211> 71

<212> DNA

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